

Amendments to the Claims:

A clean version of the entire set of pending claims, including amendments to the claims, is submitted herewith per 37 CFR 1.121(c)(3). This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A system for performing telemetric measurements, the system comprising:

a plurality of mobile communication devices, configured for use with a cellular communications network,

each mobile communication device comprising at least one sensor and a sensor controller for performing measurements; and

a server for receiving measurement data from said plurality of mobile communication devices, and for sending measurement instructions to respective sensor control sections of said plurality of mobile communication devices,

wherein the measurement instructions are only sent to sensor control sections of mobile communication devices actively communicating over the cellular communications network.

2. (Previously Presented) The system according to claim 1, wherein each of the sensor controllers is programmable by the server.

3. (Previously Presented) The system according to claim 1, wherein each of the sensor controllers is configured to perform a measurement at a predetermined point in time.

4. (Previously Presented) The system according to claim 1, wherein each of the sensor controllers is configured to perform a measurement in response to the measurement instructions received from the server.

5. (Previously Presented) The system according to claim 1, wherein each of the sensor controllers is configured to transmit the measurement data when the respective mobile communication device establishes a connection over the network.

6. (Previously Presented) A mobile communication device for use in a system according claim 1, comprising a communication section for communication over a cellular communications network, and at least one sensor and a sensor controller for performing measurements.

7. (Currently Amended) A method for performing telemetric measurements, the method comprising:

instructing a sensor controller of a mobile communication device to perform a measurement; and

retrieving measurement data resulting from the measurement from the mobile communication device through a cellular communication network,

wherein instructing the sensor controller to perform the measurement is at least based on a position of the mobile communication device within the cellular communication network.

8. (Canceled)

9. (Previously Presented) The method according to claim 7, wherein the measurement data is retrieved when the mobile communication device is communicating over the cellular communication network via a communication signal.

10. (Previously Presented) The method according to claim 9, wherein the measurement data is encoded in the communication signal.

11. (Previously Presented) A method for billing communication costs to a subscriber to a network communication service within a cellular communication network, the method comprising:

 sending an instruction through the communication network to a mobile communication device associated with the subscriber to collect measurement data;
 receiving the measurement data from the mobile communication device through the communication network; and
 awarding credit towards billing information of the subscriber for receiving the measurement data from the mobile communication device.

12. (Previously Presented) The system according to claim 2, wherein each of the sensor controllers is configured to perform a measurement at a predetermined point in time.

13. (Previously Presented) The system according to claim 2, wherein each of the sensor controllers is configured to transmit the measurement data when the respective mobile communication device establishes a connection over the network.

14. (Canceled)

15. (Currently Amended) The system according to claim [[14]]¹, wherein the measurement data is sent in real time.

16. (Previously Presented) The system according to claim 1, wherein the measurement instructions are only sent to sensor control sections of mobile communication devices within a specified area.

17. (Previously Presented) The system according to claim 1, wherein the measurement instructions comprise an instruction to measure at least one of a temperature, an air pressure, humidity and air pollution.

18. (Previously Presented) The method according to claim 7 wherein instructing the sensor controller to perform the measurement is at least based on whether the mobile communication device is currently communicating over the cellular communication network.

19. (Previously Presented) The method according to claim 18, wherein the measurement data is retrieved in realtime when the mobile communication device is currently communicating over the cellular communication network.

20. (Previously Presented) The method according to claim 11, wherein sending the instruction to collect measurement data is based on at least one of a position of the mobile communication device within the communication network and whether the mobile communication device is currently communicating over the communication network.